



ARTILLERY, MINE/DEMOLITION NOISE SIMULATOR, DEVICE 17A1B

TRAINING CATEGORY:

LAND OPERATIONS (Infantry)

To teach the normal techniques and caution required in passing through a mined area.

ORIGINATING AGENCY:

MARCORPS

To increase students' powers of observation during battle conditions.

SECURITY CLASSIFICATION:

Device 17A1B is unclassified.

To develop visual acuity in detection of mines and booby traps.

INTENDED USE:

Field use in either basic or advanced infantry training.

To condition trainee infantrymen to perform their normal duties while experiencing common battle noises.

FUNCTIONAL DESCRIPTION:

Device 17A1B is a noise simulator which can be used in all types of combat courses. It can be used to simulate falling artillery, mortar fire, demolitions, and mines. It operates on the oxygen-propane principle. Gases are metered through solenoid valves; a timing device causes sparks in the gas

filled chamber, causing explosion. The device is set off by the instructor by means of a push-button. It provides a maximum of 10-rounds per minute, or single-shot firing capability.

The capability of firing many rounds precludes the time-consuming and dangerous emplacement of explosives. During normal firing, the system is safe at a distance of 10 feet.

PHYSICAL INFORMATION:

Size: 30" high (approx.)

Weight: 150 lbs.

ENVIRONMENTAL CHARACTERISTICS:

Explosion noise can cause hearing damage. Care should be used in firing the device when personnel are in close proximity. During prolonged testing of the device, ear protectors should be used.

EQUIPMENT REQUIRED (NOT SUPPLIED:

(1) 12 VDC Battery, Type 2HN or equivalent; (1) Power Cable; (1) Remote Control Trigger Cable; (1) Oxygen Cylinder, 220 cu ft, NSN 8120-00-151-9758 (if desired).

INSTALLATION AREA:

A pit approximately 4 feet deep, 4 feet wide, and 6 feet long is required. The equipment should be installed in a 4-inch thick, reinforced concrete bunker.

POWER REQUIREMENTS:

12 VDC battery

PUBLICATIONS FURNISHED:

Maintenance Handbook with Parts List for Artillery, Mine, and Demolition Noise Simulator, Device 17A1A (Units No. 31 and above) and Device 17A1B, NAVSO P-2897 (U).

PERSONNEL:

Instructors: One

Operators: Instructor-operated

Trainees; Infantry

Maintenance: Nominal (approx 1 hr per 40-hr utilization week).

RELATED TRAINING DEVICES:

Device 17A1A

CONTRACT IDENTIFICATION:

Naval Training Equipment Center, Orlando, FL.

LOCAL STOCK NUMBER:

6920-LL-C00-3474